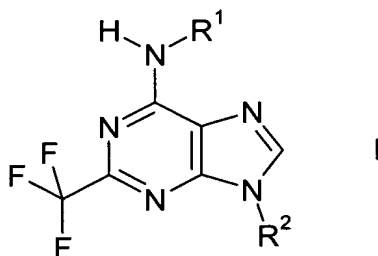


The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended): A compound of Formula I:



wherein,

R¹ is H,

alkyl having 1 to 5 carbon atoms, which is unsubstituted or substituted one or more times by halogen, hydroxy, or combinations thereof, and wherein a -CH₂- group can be optionally replaced by -O-, -S-, or -NH-,

cycloalkyl having 3 to 6 carbon atoms, or

cycloalkylalkyl having 4 to 7 carbon atoms; and

R² is alkyl having 1 to 12 carbon atoms, which is unsubstituted or substituted one or more times by halogen, hydroxy, cyano or combinations thereof, wherein one or more -CH₂- groups is each independently optionally replaced by -O-, -S-, or -NH-, and wherein optionally one or more -CH₂CH₂- groups is replaced in each case by -CH=CH- or -C≡C-,

alkyl ether having 3 to 12 carbon atoms,

cycloalkyl having 3 to 12 carbon atoms, which is unsubstituted or substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, C₁₋₄ alkoxy, cyano or combinations thereof,

cycloalkylalkyl having 4 to 12 carbon atoms, which is unsubstituted or substituted one or more times by C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, C₁₋₄ alkoxy, cyano, halogen, or combinations thereof,

aryl having 6 to 14 carbon atoms, which is unsubstituted or substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, hydroxamic acid, carboxamide, C₂₋₄-acyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof,

arylalkyl having 7 to 16 carbon atoms, which is unsubstituted or substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, hydroxamic acid, carboxamide, C₂₋₄-acyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof,

heteroaryl having 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom, which is unsubstituted or substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, hydroxamic acid, carboxamide, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, ~~or~~ or combinations thereof,

heteroarylalkyl wherein the heteroaryl portion has 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom and the alkyl portion has 1 to 3 carbon atoms, the heteroaryl portion is unsubstituted or is substituted one or more times ~~in~~ by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, hydroxamic acid, carboxamide, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, ~~or~~ or combinations thereof,

heterocycle having 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom, which is unsubstituted or is substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, oxo, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, or combinations thereof ;

heterocycle-alkyl wherein the heterocycle portion has 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom and the alkyl portion has 1 to 3 carbon atoms, the heterocycle portion is nonaromatic and is unsubstituted or is substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, oxo, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, or combinations thereof, or

carbocycle which is a nonaromatic, monocyclic or bicyclic, group having 5 to 14 carbon atoms, which is unsubstituted or is substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, hydroxamic acid, carboxamide, C₂₋₄-acyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof; and

pharmaceutically acceptable salts thereof,

with the provisos that:

- (a) when R¹ is substituted or unsubstituted alkyl, then R² is not substituted or unsubstituted arylalkyl, heteroarylalkyl, 2-(1,2,3,4-tetrahydro)quinolinyl-methyl, or alkyl;
- (b) when R¹ is cyclopropyl, R² is not benzyl, methylbenzyl, ethylbenzyl, methylphenethyl, cyclopropylmethyl, or cyclopropylethyl;
- (c) when R¹ is H, then R² is not alkyl, benzyl, methylbenzyl, phenethyl, or substituted tetrahydrofuranlyl; and
- (d) when R¹ is methoxyethyl, ethoxyethyl, or methoxypropyl, then R² is not benzyl, 3-dimethylaminobenzyl, or 3-thienylmethyl.

- 2. (Cancelled):
- 3. (Original): A compound according to claim 1, wherein R¹ is alkyl.
- 4. (Original): A compound according to claim 1, wherein R¹ is cycloalkyl.
- 5. (Original): A compound according to claim 1, wherein R¹ is cycloalkylalkyl.
- 6. (Original): A compound according to claim 1, wherein R² is alkyl.
- 7. (Original): A compound according to claim 1, wherein R² is alkyl ether.
- 8. (Original): A compound according to claim 1, wherein R² is cycloalkyl.
- 9. (Original): A compound according to claim 1, wherein R² is aryl.
- 10. (Original): A compound according to claim 1, wherein R² is arylalkyl.

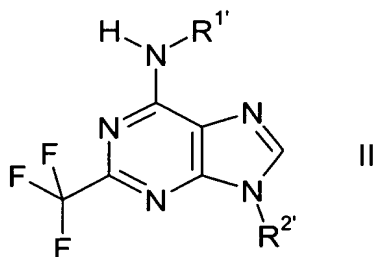
11. (Original): A compound according to claim 1, wherein R^2 is heteroaryl.
12. (Original): A compound according to claim 1, wherein R^2 is heteroarylalkyl.
13. (Previously Presented): A compound according to claim 1, wherein R^2 is heterocycle.
14. (Previously Presented): A compound according to claim 1, wherein R^2 is heterocycle-alkyl.
15. (Previously Presented): A compound according to claim 1, wherein R^2 is carbocycle.
16. (Original): A compound according to claim 1, wherein R^1 is alkyl, substituted alkyl, cycloalkyl or cycloalkylalkyl.
17. (Previously Presented): A compound according to claim 6, wherein R^1 is cycloalkyl or cycloalkylalkyl.
18. (Original): A compound according to claim 7, wherein R^1 is alkyl, cycloalkyl or cycloalkylalkyl.
19. (Original): A compound according to claim 8, wherein R^1 is alkyl, cycloalkyl or cycloalkylalkyl.
20. (Original): A compound according to claim 9, wherein R^1 is alkyl, cycloalkyl or cycloalkylalkyl.
21. (Previously Presented): A compound according to claim 10, wherein R^1 is cycloalkyl or cycloalkylalkyl.

22. (Original): A compound according to claim 11, wherein R¹ is alkyl, cycloalkyl or cycloalkylalkyl.
23. (Previously Presented): A compound according to claim 12, wherein R¹ is cycloalkyl or cycloalkylalkyl.
24. (Original): A compound according to claim 13, wherein R¹ is alkyl, cycloalkyl or cycloalkylalkyl.
25. (Original): A compound according to claim 14, wherein R¹ is alkyl, cycloalkyl or cycloalkylalkyl.
26. (Original): A compound according to claim 15, wherein R¹ is alkyl, cycloalkyl or cycloalkylalkyl.
27. (Original): A compound according to claim 1, wherein R¹ is methyl, ethyl, isopropyl, 2-hydroxyethyl, cyclopropyl, cyclopentyl, or cyclopropylmethyl.
28. (Original): A compound according to claim 1, wherein R¹ is methyl, ethyl, cyclopropyl, cyclobutyl, cyclopentyl or cyclohexyl.
29. (Original): A compound according to claim 1, wherein R¹ is methyl, ethyl or cyclopropyl.
30. (Original): A compound according to claim 1, wherein R² is alkyl, arylalkyl, cycloalkyl, aryl, heteroaryl, heteroarylalkyl, or alkyl ether.
31. (Original): A compound according to claim 1, wherein R² is ethyl, isopropyl, butyl, tert-butyl, cyclopentyl, cyclohexyl, cycloheptyl, or arylalkyl which is unsubstituted or substituted one or more times by F, Cl, CN, CF₃, CH₃, C₂H₅, isopropyl,

OCH₃, methylenedioxy, ethylenedioxy or combinations thereof.

32. (Original): A compound according to claim 1, wherein R² is substituted or unsubstituted benzyl, phenethyl or phenpropyl.

33. (Currently Amended): A compound of formula II



wherein

R^{1'} is methyl, ethyl, or cyclopropyl; and

R^{2'} is cycloalkyl having 3 to 12 carbon atoms, which is unsubstituted or substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, C₁₋₄ alkoxy, cyano or combinations thereof,

aryl having 6 to 14 carbon atoms, which is unsubstituted or substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, hydroxamic acid, carboxamide, C₂₋₄-acyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof,

heteroaryl having 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom, which is unsubstituted or substituted one or more times by halogen, aryl, C₁₋₄

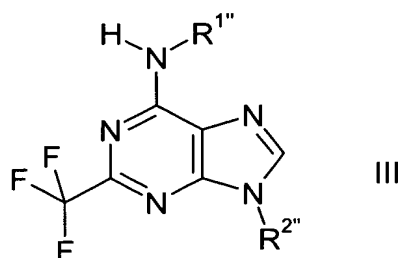
alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, hydroxamic acid, carboxamide, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, ~~or~~ or combinations thereof,

heterocycle having 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom, which is unsubstituted or is substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, oxo, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, or combinations thereof, or

carbocycle which is a nonaromatic, monocyclic or bicyclic, group having 5 to 14 carbon atoms, which is unsubstituted or is substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, hydroxamic acid, carboxamide, C₂₋₄-acyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof; and

pharmaceutically acceptable salts thereof.

34. (Previously Presented): A compound of Formula III:



wherein

R^{1''} is methyl, ethyl, or cyclopropyl; and

R^{2''} is phenyl,

phenyl which is substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, C₂₋₄-acyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof, or

heteroaryl having 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom, substituted heteroaryl having 5 to 10 ring atoms, in which at least 1 ring atom is a heteroatom, which is unsubstituted or substituted one or more times by halogen, aryl, C₁₋₄-alkyl, C₁₋₄-alkoxy, cyano, trifluoromethyl, nitro, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino or combinations thereof,

or when R¹ is methyl or cyclopropyl R² can also be cycloalkyl having 3 to 12 carbon atoms; and

pharmaceutically acceptable salts thereof.

35. (Previously Presented): A compound selected from:

6-Cyclopropylamino-9-(2-fluorobenzyl)-2-trifluoromethylpurine

6-Cyclopropylamino-9-(4-fluorobenzyl)-2-trifluoromethylpurine

6-Cyclopropylamino-9-(2, 6-difluorobenzyl)-2-trifluoromethylpurine

6-Cyclopropylamino-9-(2, 3-difluorobenzyl)-2-trifluoromethylpurine

6-Cyclopropylamino-9-propyl-2-trifluoromethylpurine

6-Cyclopropylamino-9-cyclopentyl-2-trifluoromethylpurine

6-Cyclopropylamino-9-(3, 4-dimethoxybenzyl)-2-trifluoromethylpurine

6-Cyclopropylamino-9-(3,4-methylenedioxybenzyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(3-thiophenemethyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(2-methylphenethyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-cycloheptyl-2-trifluoromethylpurine
6-Methylamino-9-cyclopentyl-2-trifluoromethylpurine
6-Cyclopropylamino-9-cyclohexyl-2-trifluoromethylpurine
6-Methylamino-9-cycloheptyl-2-trifluoromethylpurine
6-Cyclopropylamino-9-cyclopentylmethyl-2-trifluoromethylpurine
6-Cyclopropylamino-9-phenyl-2-trifluoromethylpurine
6-Cyclopropylamino-9-(2-fluorophenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-cyclobutyl-2-trifluoromethylpurine
6-Cyclopropylamino-9-(2-norboranane)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(1-indanyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(4-fluorophenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(4-chlorophenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(3-thienyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(3-cyclopentyloxy-4-methoxybenzyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(3, 4-dimethoxyphenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(2, 6-dichloro-4-pyridylmethyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(4-methoxybenzyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(3-methoxyphenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(4-methoxyphenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(3-nitrophenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(2-methoxyphenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(3-cyanophenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(2, 4-dimethoxyphenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(3-nitrobenzyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(6-methoxy-3-pyridyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(4-pyridyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(3-pyridyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(4-dimethylaminophenyl)-2-trifluoromethylpurine

6-Cyclopropylamino-9-(3-aminophenyl)-2-trifluoromethylpurine
6-Methylamino-9-(2, 4-dimethoxy-5-pyrimidyl)-2-trifluoromethylpurine
6-Methylamino-9-(2-methoxyphenyl)-2-trifluoromethylpurine
6-Methylamino-9-(4-methoxyphenyl)-2-trifluoromethylpurine
6-Methylamino-9-(3-acetylphenyl)-2-trifluoromethylpurine
6-Methylamino-9-(3-methoxyphenyl)-2-trifluoromethylpurine
6-Methylamino-9-(3-nitrophenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(3-furanyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(4-ethoxyphenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(2-ethoxyphenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(3, 4-methylenedioxyphenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(3-ethoxyphenyl)-2-trifluoromethylpurine
6-Methylamino-9-(3,4-dimethoxyphenyl)-2-trifluoromethylpurine; and

pharmaceutically acceptable salts thereof.

36. (Previously Presented): A compound according to claim 35, wherein said compound is selected from:

6-Cyclopropylamino-9-(2,3-difluorobenzyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-cyclopentyl-2-trifluoromethylpurine
6-Cyclopropylamino-9-(3,4-dimethoxybenzyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-cycloheptyl-2-trifluoromethylpurine
6-Methylamino-9-cyclopentyl-2-trifluoromethylpurine
6-Cyclopropylamino-9-cyclohexyl-2-trifluoromethylpurine
6-Methylamino-9-cycloheptyl-2-trifluoromethylpurine
6-Cyclopropylamino-9-phenyl-2-trifluoromethylpurine
6-Cyclopropylamino-9-(2-fluorophenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-cyclobutyl-2-trifluoromethylpurine
6-Cyclopropylamino-9-(2-norboranane)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(4-fluorophenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(4-chlorophenyl)-2-trifluoromethylpurine

6-Cyclopropylamino-9-(3-thienyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(3, 4-dimethoxyphenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(2, 6-dichloro-4-pyridylmethyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(4-methoxybenzyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(3-methoxyphenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(4-methoxyphenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(3-nitrophenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(2-methoxyphenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(3-cyanophenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(3-nitrobenzyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(4-pyridyl)-2-trifluoromethylpurine
6-Methylamino-9-(2, 4-dimethoxy-5-pyrimidyl)-2-trifluoromethylpurine
6-Methylamino-9-(4-methoxyphenyl)-2-trifluoromethylpurine
6-Methylamino-9-(3-acetylphenyl)-2-trifluoromethylpurine
6-Methylamino-9-(3-methoxyphenyl)-2-trifluoromethylpurine
6-Methylamino-9-(3-nitrophenyl)-2-trifluoromethylpurine
6-Cyclopropylamino-9-(3-ethoxyphenyl)-2-trifluoromethylpurine
6-Methylamino-9-(3,4-dimethoxyphenyl)-2-trifluoromethylpurine; and

pharmaceutically acceptable salts thereof.

37. (Cancelled):

38. (Cancelled):

39. (Cancelled):

40. (Cancelled):

41. (Cancelled):

42. (Cancelled):

43. (Cancelled):

44. (Cancelled):

45. (Cancelled):

46. (Cancelled):

47. (Cancelled):

48. (Cancelled):

49. (Cancelled):

50. (Cancelled):

51. (Cancelled):

52. (Cancelled):

53. (Cancelled):

54. (Cancelled):

55. (Cancelled):

56. (Cancelled):

57. (Cancelled):

58. (Cancelled):

59. (Cancelled):

60. (Previously Presented): A pharmaceutical composition comprising a compound according to claim 1 and a pharmaceutically acceptable carrier.

61. (Previously Presented): A composition according to claim 60, wherein said composition contains 0.1-50 mg of said compound.

62. (Cancelled):

63. (Cancelled):

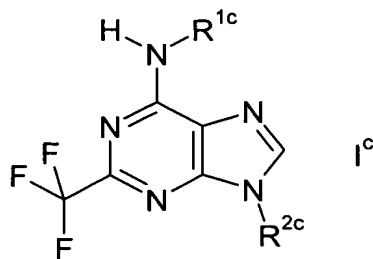
64. (Cancelled):

65. (Cancelled):

66. (Cancelled):

67. (Cancelled):

68. (Currently Amended): A method of treating a patient suffering from an allergic or inflammatory disease, resulting from decreased cyclic AMP levels, elevated phosphodiesterase 4 levels, or both, comprising administering to said patient an effective amount of a compound according to formula I^c:



wherein,

R^{1c} is H,

alkyl having 1 to 5 carbon atoms, which is unsubstituted or substituted one or more times by halogen, hydroxy, or combinations thereof, and wherein a $-\text{CH}_2-$ group can be optionally replaced by $-\text{O}-$, $-\text{S}-$, or $-\text{NH}-$,

cycloalkyl having 3 to 6 carbon atoms, or

cycloalkylalkyl having 4 to 7 carbon atoms;

R^{2c} is alkyl having 1 to 12 carbon atoms, which is unsubstituted or substituted one or more times by halogen, hydroxy, cyano or combinations thereof, wherein one or more $-\text{CH}_2-$ groups is each independently optionally replaced by $-\text{O}-$, $-\text{S}-$, or $-\text{NH}-$, and wherein optionally one or more $-\text{CH}_2\text{CH}_2-$ groups is replaced in each case by $-\text{CH}=\text{CH}-$ or $-\text{C}\equiv\text{C}-$,

alkyl ether having 3 to 12 carbon atoms,

cycloalkyl having 3 to 12 carbon atoms, which is unsubstituted or substituted one or more times by halogen, C_{1-4} alkyl, halogenated C_{1-4} alkyl, C_{1-4} alkoxy, cyano or combinations thereof,

cycloalkylalkyl having 4 to 12 carbon atoms, which is unsubstituted or substituted one or more times by C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, C₁₋₄ alkoxy, cyano, halogen, or combinations thereof,

aryl having 6 to 14 carbon atoms, which is unsubstituted or substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, hydroxamic acid, carboxamide, C₂₋₄-acyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof,

arylalkyl having 7 to 16 carbon atoms, which is unsubstituted or substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, hydroxamic acid, carboxamide, C₂₋₄-acyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof,

heteroaryl having 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom, which is unsubstituted or substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, hydroxamic acid, carboxamide, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, ~~or~~ or combinations thereof,

heteroarylalkyl wherein the heteroaryl portion has 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom and the alkyl portion has 1 to 3 carbon atoms, the heteroaryl portion is unsubstituted or is substituted one or more times in by

halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, hydroxamic acid, carboxamide, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, ~~or~~ or combinations thereof,

heterocycle having 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom, which is unsubstituted or is substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, oxo, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, or combinations thereof,

heterocycle-alkyl wherein the heterocycle portion has 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom and the alkyl portion has 1 to 3 carbon atoms, the heterocycle portion is nonaromatic and is unsubstituted or is substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, oxo, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, or combinations thereof, or

carbocycle which is a nonaromatic, monocyclic or bicyclic, group having 5 to 14 carbon atoms, which is unsubstituted or is substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, hydroxamic acid, carboxamide, C₂₋₄-acyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof; and

pharmaceutically acceptable salts thereof,

wherein when R^{1c} is methyl, then R^{2c} is not arylalkyl, methyl or 2-butyl, and when R^{1c} is

H, then R^{2c} is not benzyl, and

with the provisos that:

when R^{1c} is substituted or unsubstituted alkyl, R^{2c} is not substituted or unsubstituted arylalkyl; and

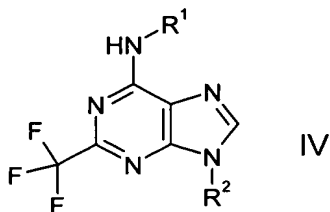
when R^{1c} is H, then R^{2c} is not benzyl, methylbenzyl or phenethyl.

69. (Cancelled):

70. (Previously Presented): A method according to claim 68, wherein:

- (a) when R^{1c} is methyl, then R^{2c} is not arylalkyl, heteroarylalkyl, 2-(1,2,3,4-tetrahydro)quinolinyl-methyl, methyl or 2-butyl;
- (b) when R^{1c} is cyclopropyl, R^{2c} is not 4-methylbenzyl;
- (c) when R^{1c} is ethyl, then R^{2c} is not ethyl, 3-aminobenzyl, 2-thienylmethyl, 3-thienylmethyl, or 2-pyridylmethyl;
- (d) when R^{1c} is cyclopropyl, then R^{2c} is not cyclopropylmethyl;
- (e) when R^{1c} is H, then R^{2c} is not methyl, ethyl, benzyl, or substituted tetrahydrofuranyl;
- (f) when R^{1c} is methoxyethyl, then R^{2c} is not benzyl, 3-dimethylaminobenzyl, or 3-thienylmethyl;
- (g) when R^{1c} is iso-butyl, then R^{2c} is not benzyl; and
- (h) when R^{1c} is n-butyl, then R^{2c} is not n-butyl.

71. (Currently Amended): A process for preparing compounds of the formula IV



wherein

R¹ is H,

alkyl having 1 to 5 carbon atoms, which is unsubstituted or substituted one or more times by halogen, hydroxy, or combinations thereof, and wherein a -CH₂- group can be optionally replaced by -O-, -S-, or -NH-,

cycloalkyl having 3 to 6 carbon atoms, or

cycloalkylalkyl having 4 to 7 carbon atoms; and

R² is aryl having 6 to 14 carbon atoms, which is unsubstituted or substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, hydroxamic acid, carboxamide, C₂₋₄-acyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof,

heteroaryl having 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom, which is unsubstituted or substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, hydroxamic acid, carboxamide, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, or combinations thereof,

said process comprising:

reacting 6-*N*-R¹-9-CF₃-substituted adenine with an arylboronic acid or heteroarylboronic acid in the presence of trialkylamine wherein the alkyl portions each have 1 to 5 carbon atoms as a base, a copper catalyst, and a polar aprotic solvent, at a temperature of at least 50°C.

72. (Previously Presented): A compound according to claim 1, wherein R² is cycloalkylalkyl.

73. (Previously Presented): A compound according to claim 72 wherein R¹ is alkyl, cycloalkyl or cycloalkylalkyl.

74. (Previously Presented): A compound according to claim 1, wherein said compound is 6-cyclopropylamino-9-(2-methoxyphenyl)-2-trifluoromethylpurine, or a pharmaceutically acceptable salt thereof.

75. (Previously Presented): A method according to claim 68, wherein said compound is 6-cyclopropylamino-9-(2-methoxyphenyl)-2-trifluoromethylpurine, or a pharmaceutically acceptable salt thereof.

76. (Cancelled):

77. (Previously Presented): A compound according to claim 1, wherein said compound is 6-cyclopropylamino-9-(2-fluorobenzyl)-2-trifluoromethylpurine, or a pharmaceutically acceptable salt thereof

78. (Previously Presented): A method according to claim 68, wherein said compound is 6-cyclopropylamino-9-(2-fluorobenzyl)-2-trifluoromethylpurine, or a pharmaceutically acceptable salt thereof.

79. (Cancelled):

80. (Previously Presented): A compound according to claim 1, wherein R¹ is alkyl or cycloalkyl and R² is phenyl or heteroaryl, in each case substituted or unsubstituted.

81. (Previously Presented): A method according to claim 68, wherein R¹ is

alkyl or cycloalkyl and R² is phenyl or heteroaryl, in each case substituted or unsubstituted.

82. (Cancelled):

83. (Previously Presented): A method of claim 68, wherein the patient is suffering from chronic obstructive pulmonary disease or asthma.

84. (Previously Presented): A method according to claim 68, wherein said disease state is asthma, chronic bronchitis, chronic obstructive pulmonary disease, atopic dermatitis, urticaria, allergic rhinitis, allergic conjunctivitis, vernal conjunctivitis, eosinophilic granuloma, psoriasis, inflammatory arthritis, rheumatoid arthritis, septic shock, ulcerative colitis, Crohn's disease, reperfusion injury of the myocardium and brain, chronic glomerulonephritis, endotoxic shock, adult respiratory distress syndrome, cystic fibrosis, arterial restenosis, arteriosclerosis, keratosis, rheumatoid spondylitis, osteoarthritis, pyresis, diabetes mellitus, pneumoconiosis, chronic obstructive airways disease, chronic obstructive pulmonary disease, toxic contact eczema, allergic contact eczema, atopic eczema, seborrheic eczema, lichen simplex, sunburn, pruritis in the anogenital area, alopecia areata, hypertrophic scars, discoid lupus erythematosus, systemic lupus erythematosus, follicular and wide-area pyodermias, endogenous acne, exogenous acne, acne rosacea, Beghet's disease, anaphylactoid purpura nephritis, an inflammatory bowel disease, leukemia, multiple sclerosis, a gastrointestinal disease, or an autoimmune disease.

85. (Previously Presented): A method of treating a patient suffering from an allergic or inflammatory disease associated with decreased cyclic AMP levels, elevated phosphodiesterase 4 levels, or both, said method comprising administering to said patient an anti-inflammatory effective amount of a compound according to claim 33.

86. (Previously Presented): A method of claim 85, wherein the patient is suffering from chronic obstructive pulmonary disease or asthma.

87. (Previously Presented): A method according to claim 85, wherein said disease state is asthma, chronic bronchitis, chronic obstructive pulmonary disease, atopic dermatitis, urticaria, allergic rhinitis, allergic conjunctivitis, vernal conjunctivitis, eosinophilic granuloma, psoriasis, inflammatory arthritis, rheumatoid arthritis, septic shock, ulcerative colitis, Crohn's disease, reperfusion injury of the myocardium and brain, chronic glomerulonephritis, endotoxic shock, adult respiratory distress syndrome, cystic fibrosis, arterial restenosis, atherosclerosis, keratosis, rheumatoid spondylitis, osteoarthritis, pyresis, diabetes mellitus, pneumoconiosis, chronic obstructive airways disease, chronic obstructive pulmonary disease, toxic contact eczema, allergic contact eczema, atopic eczema, seborrheic eczema, lichen simplex, sunburn, pruritis in the anogenital area, alopecia areata, hypertrophic scars, discoid lupus erythematosus, systemic lupus erythematosus, follicular and wide-area pyodermias, endogenous acne, exogenous acne, acne rosacea, Beghet's disease, anaphylactoid purpura nephritis, an inflammatory bowel disease, leukemia, multiple sclerosis, a gastrointestinal disease, or an autoimmune disease.

88. (Previously Presented): A method of treating a patient suffering from an allergic or inflammatory disease associated with decreased cyclic AMP levels, elevated phosphodiesterase 4 levels, or both, said method comprising administering to said patient an anti-inflammatory effective amount of a compound according to claim 34.

89. (Previously Presented): A method of claim 88, wherein the patient is suffering from chronic obstructive pulmonary disease or asthma.

90. (Previously Presented): A method according to claim 88, wherein said disease state is asthma, chronic bronchitis, chronic obstructive pulmonary disease, atopic dermatitis, urticaria, allergic rhinitis, allergic conjunctivitis, vernal conjunctivitis, eosinophilic granuloma, psoriasis, inflammatory arthritis, rheumatoid arthritis, septic shock, ulcerative colitis, Crohn's disease, reperfusion injury of the myocardium and brain, chronic glomerulonephritis, endotoxic shock, adult respiratory distress syndrome,

cystic fibrosis, arterial restenosis, arteriosclerosis, keratosis, rheumatoid spondylitis, osteoarthritis, pyresis, diabetes mellitus, pneumoconiosis, chronic obstructive airways disease, chronic obstructive pulmonary disease, toxic contact eczema, allergic contact eczema, atopic eczema, seborrheic eczema, lichen simplex, sunburn, pruritis in the anogenital area, alopecia areata, hypertrophic scars, discoid lupus erythematosus, systemic lupus erythematosus, follicular and wide-area pyodermias, endogenous acne, exogenous acne, acne rosacea, Beghet's disease, anaphylactoid purpura nephritis, an inflammatory bowel disease, leukemia, multiple sclerosis, a gastrointestinal disease, or an autoimmune disease.

91. (Previously Presented): A method of treating a patient suffering from an allergic or inflammatory disease associated with decreased cyclic AMP levels, elevated phosphodiesterase 4 levels, or both, said method comprising administering to said patient an anti-inflammatory effective amount of a compound according to claim 35.

92. (Previously Presented): A method of claim 91, wherein the patient is suffering from chronic obstructive pulmonary disease or asthma.

93. (Previously Presented): A method according to claim 91, wherein said disease state is asthma, chronic bronchitis, chronic obstructive pulmonary disease, atopic dermatitis, urticaria, allergic rhinitis, allergic conjunctivitis, vernal conjunctivitis, eosinophilic granuloma, psoriasis, inflammatory arthritis, rheumatoid arthritis, septic shock, ulcerative colitis, Crohn's disease, reperfusion injury of the myocardium and brain, chronic glomerulonephritis, endotoxic shock, adult respiratory distress syndrome, cystic fibrosis, arterial restenosis, arteriosclerosis, keratosis, rheumatoid spondylitis, osteoarthritis, pyresis, diabetes mellitus, pneumoconiosis, chronic obstructive airways disease, chronic obstructive pulmonary disease, toxic contact eczema, allergic contact eczema, atopic eczema, seborrheic eczema, lichen simplex, sunburn, pruritis in the anogenital area, alopecia areata, hypertrophic scars, discoid lupus erythematosus, systemic lupus erythematosus, follicular and wide-area pyodermias, endogenous acne, exogenous acne, acne rosacea, Beghet's disease, anaphylactoid purpura nephritis, an

inflammatory bowel disease, leukemia, multiple sclerosis, a gastrointestinal disease, or an autoimmune disease.

94. (Currently Amended): A compound according to claim 1, wherein
R² is alkyl having 1 to 12 carbon atoms, which is unsubstituted or substituted one or more times by halogen, hydroxy, cyano or combinations thereof, wherein one or more -CH₂- groups is each independently optionally replaced by -O-, -S-, or -NH-, and wherein optionally one or more -CH₂CH₂- groups is replaced in each case by -CH=CH- or -C≡C-,

alkoxyalkyl having 3 to 12 carbon atoms,

cycloalkyl having 3 to 12 carbon atoms, which is unsubstituted or substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, C₁₋₄ alkoxy, cyano or combinations thereof,

cycloalkylalkyl having 4 to 12 carbon atoms, which is unsubstituted or substituted one or more times by C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, C₁₋₄ alkoxy, cyano, halogen, or combinations thereof,

aryl having 6 to 14 carbon atoms, which is unsubstituted or substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, C₂₋₄-alkanoyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof,

arylalkyl having 7 to 16 carbon atoms, which is unsubstituted or substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy,

carboxy, cyano, C₂₋₄-alkanoyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof,

heteroaryl having 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom, which is unsubstituted or substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, ~~or~~ or combinations thereof,

heteroarylalkyl wherein the heteroaryl portion has 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom and the alkyl portion has 1 to 3 carbon atoms, the heteroaryl portion is unsubstituted or is substituted one or more times ~~in~~ by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, ~~or~~ or combinations thereof,

heterocycle having 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom, which is unsubstituted or is substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, oxo, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, or combinations thereof ;

heterocycle-alkyl wherein the heterocycle portion has 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom and the alkyl portion has 1 to 3 carbon atoms, the heterocycle portion is nonaromatic and is unsubstituted or is substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, oxo, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, or combinations thereof, or

carbocycle which is a nonaromatic, monocyclic or bicyclic, group having 5 to 14 carbon atoms, which is unsubstituted or is substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, C₂₋₄-alkanoyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof.

95. (Currently Amended): A compound according to claim 33, wherein

R^{2'} is cycloalkyl having 3 to 12 carbon atoms, which is unsubstituted or substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, C₁₋₄ alkoxy, cyano or combinations thereof,

aryl having 6 to 14 carbon atoms, which is unsubstituted or substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, C₂₋₄-alkanoyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof,

heteroaryl having 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom, which is unsubstituted or substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, ~~or~~ or combinations thereof,

heterocycle having 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom, which is unsubstituted or is substituted one or more times by halogen,

aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, oxo, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, or combinations thereof, or

carbocycle which is a nonaromatic, monocyclic or bicyclic, group having 5 to 14 carbon atoms, which is unsubstituted or is substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, C₂₋₄-alkanoyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof.

96. (Previously Presented): A compound according to claim 34, wherein

R^{2''} is phenyl,

phenyl which is substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, C₂₋₄-alkanoyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof, or

heteroaryl having 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom, substituted heteroaryl having 5 to 10 ring atoms, in which at least 1 ring atom is a heteroatom, which is unsubstituted or substituted one or more times by halogen, aryl, C₁₋₄-alkyl, C₁₋₄-alkoxy, cyano, trifluoromethyl, nitro, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino or combinations thereof.

97. (Currently Amended): A compound according to claim 1, wherein

R¹ is cyclopropyl; and

R² is alkyl having 1 to 12 carbon atoms, which is unsubstituted or substituted one or more times by halogen, hydroxy, cyano or combinations thereof, wherein one or more -CH₂- groups is each independently optionally replaced by -O-, -S-, or -NH-, and wherein optionally one or more -CH₂CH₂- groups is replaced in each case by -CH=CH- or -C≡C-,

cycloalkyl having 3 to 12 carbon atoms, which is unsubstituted or substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, C₁₋₄ alkoxy, cyano or combinations thereof,

cycloalkylalkyl having 4 to 12 carbon atoms, which is unsubstituted or substituted one or more times by C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, C₁₋₄ alkoxy, cyano, halogen, or combinations thereof,

aryl having 6 to 14 carbon atoms, which is unsubstituted or substituted one or more times by halogen, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, or combinations thereof,

arylalkyl having 7 to 16 carbon atoms, which is unsubstituted or substituted one or more times by halogen, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, or combinations thereof,

heteroaryl having 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom, which is unsubstituted or substituted one or more times by halogen, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, ~~or~~ or combinations thereof,

heteroarylalkyl wherein the heteroaryl portion has 5 to 10 ring atoms in which at

least 1 ring atom is a heteroatom and the alkyl portion has 1 to 3 carbon atoms, the heteroaryl portion is unsubstituted or is substituted one or more times ~~in~~ by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, ~~or~~ or combinations thereof,

heterocycle having 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom, which is unsubstituted or is substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, oxo, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, or combinations thereof ;

heterocycle-alkyl wherein the heterocycle portion has 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom and the alkyl portion has 1 to 3 carbon atoms, the heterocycle portion is nonaromatic and is unsubstituted or is substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, oxo, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, or combinations thereof, or

carbocycle which is a nonaromatic, monocyclic or bicyclic, group having 5 to 14 carbon atoms, which is unsubstituted or is substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, C₂₋₄-alkanoyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof.

98. (Previously Presented): A method according to claim 68, wherein

- (a) when R^1 is substituted or unsubstituted alkyl, then R^2 is not substituted or unsubstituted arylalkyl, heteroarylalkyl, 2-(1,2,3,4-tetrahydro)quinolinyl-methyl, or alkyl;
- (b) when R^1 is cyclopropyl, R^2 is not benzyl, methylbenzyl, ethylbenzyl, methylphenethyl, cyclopropylmethyl, or cyclopropylethyl;
- (c) when R^1 is H, then R^2 is not alkyl, benzyl, methylbenzyl, phenethyl, or substituted tetrahydrofuranyl; and
- (d) when R^1 is methoxyethyl, ethoxyethyl, or methoxypropyl, then R^2 is not benzyl, 3-dimethylaminobenzyl, or 3-thienylmethyl.

99. (Previously Presented): A compound according to claim 34, wherein $R^{2''}$ is phenyl, or

phenyl which is substituted one or more times by halogen, C_{1-4} alkyl, halogenated C_{1-4} alkyl, hydroxy, C_{1-4} -alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C_{1-4} alkylamino, di- C_{1-4} -alkylamino, C_{1-4} -hydroxyalkyl, C_{1-4} -hydroxyalkoxy, carboxy, cyano, C_{2-4} -acyl, C_{2-4} -alkoxycarbonyl, C_{1-4} -alkylthio, C_{1-4} -alkylsulphinyl, C_{1-4} -alkylsulphonyl, phenoxy, or combinations thereof.

100. (New): A compound according to claim 1, wherein when R^1 is methyl, R^2 is not arylalkyl, heteroarylalkyl, heterocycle-alkyl or C_{1-5} -alkyl;
 when R^1 is ethyl, R^2 is not arylalkyl, heteroarylalkyl, or C_{1-3} -alkyl;
 when R^1 is cyclopropyl, R^2 is not cycloalkylalkyl; and
 when R^1 is a butyl group, R^2 is not arylalkyl or C_{1-5} -alkyl.

101. (New): A compound according to claim 1, wherein R^2 is alkyl having 1 to 12 carbon atoms, which is unsubstituted or substituted one or more times by halogen, hydroxy, cyano or combinations thereof, wherein one or more $-CH_2-$ groups is each independently optionally replaced by $-O-$, $-S-$, or $-NH-$, and wherein optionally one or more $-CH_2CH_2-$ groups is replaced in each case by $-CH=CH-$ or $-C\equiv C-$,

alkyl ether having 3 to 12 carbon atoms,

cycloalkyl having 3 to 12 carbon atoms, which is unsubstituted or substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, C₁₋₄ alkoxy, cyano or combinations thereof,

cycloalkylalkyl having 4 to 12 carbon atoms, which is unsubstituted or substituted one or more times by C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, C₁₋₄ alkoxy, cyano, halogen, or combinations thereof,

aryl having 6 to 14 carbon atoms, which is unsubstituted or substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, hydroxamic acid, carboxamide, C₂₋₄-acyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof,

arylalkyl having 7 to 16 carbon atoms, which is substituted one or more times by halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, hydroxamic acid, carboxamide, C₂₋₄-acyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof,

heteroaryl having 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom, which is unsubstituted or substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino,

carboxy, alkoxycarbonyl, hydroxamic acid, carboxamide, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, or combinations thereof,

heteroarylalkyl wherein the heteroaryl portion has 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom and the alkyl portion has 1 to 3 carbon atoms, and the heteroaryl portion is unsubstituted or is substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, hydroxamic acid, carboxamide, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, or combinations thereof,

heterocycle having 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom, which is unsubstituted or is substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, oxo, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, or combinations thereof,

heterocycle-alkyl wherein the heterocycle portion has 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom and the alkyl portion has 1 to 3 carbon atoms, the heterocycle portion is nonaromatic and is unsubstituted or is substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, oxo, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, or combinations thereof, or

carbocycle which is nonaromatic, monocyclic or bicyclic, group having 5 to 14 carbon atoms, which is unsubstituted or is substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, hydroxamic

acid, carboxamide, C₂₋₄-acyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof.

102. (New): A compound according to claim 100, wherein
R² is alkyl having 1 to 12 carbon atoms, which is unsubstituted or substituted one or more times by halogen, hydroxy, cyano or combinations thereof, wherein one or more -CH₂- groups is each independently optionally replaced by -O-, -S-, or -NH-, and wherein optionally one or more -CH₂CH₂- groups is replaced in each case by -CH=CH- or -C≡C-,

alkyl ether having 3 to 12 carbon atoms,

cycloalkyl having 3 to 12 carbon atoms, which is unsubstituted or substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, C₁₋₄ alkoxy, cyano or combinations thereof,

cycloalkylalkyl having 4 to 12 carbon atoms, which is unsubstituted or substituted one or more times by C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, C₁₋₄ alkoxy, cyano, halogen, or combinations thereof,

aryl having 6 to 14 carbon atoms, which is unsubstituted or substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, hydroxamic acid, carboxamide, C₂₋₄-acyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof,

arylalkyl having 7 to 16 carbon atoms, which is substituted one or more times by halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-

hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, hydroxamic acid, carboxamide, C₂₋₄-acyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof,

heteroaryl having 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom, which is unsubstituted or substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, hydroxamic acid, carboxamide, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, or combinations thereof,

heteroarylalkyl wherein the heteroaryl portion has 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom and the alkyl portion has 1 to 3 carbon atoms, and the heteroaryl portion is unsubstituted or substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, hydroxamic acid, carboxamide, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, or combinations thereof,

heterocycle having 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom, which is unsubstituted or is substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, oxo, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, or combinations thereof,

heterocycle-alkyl wherein the heterocycle portion has 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom and the alkyl portion has 1 to 3 carbon atoms, the heterocycle portion is nonaromatic and is unsubstituted or is substituted one or more times by halogen, aryl, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, cyano, trifluoromethyl, nitro, oxo, amino, C₁₋₄-alkylamino, di-C₁₋₄-alkylamino, carboxy, alkoxycarbonyl, or combinations thereof, or

carbocycle which is nonaromatic, monocyclic or bicyclic, group having 5 to 14 carbon atoms, which is unsubstituted or is substituted one or more times by halogen, C₁₋₄ alkyl, halogenated C₁₋₄ alkyl, hydroxy, C₁₋₄-alkoxy, halogenated C₁₋₄ alkoxy, nitro, methylenedioxy, ethylenedioxy, amino, C₁₋₄ alkylamino, di-C₁₋₄-alkylamino, C₁₋₄-hydroxyalkyl, C₁₋₄-hydroxyalkoxy, carboxy, cyano, hydroxamic acid, carboxamide, C₂₋₄-acyl, C₂₋₄-alkoxycarbonyl, C₁₋₄-alkylthio, C₁₋₄-alkylsulphinyl, C₁₋₄-alkylsulphonyl, phenoxy, or combinations thereof.

103. (New): A compound according to claim 1, wherein when R¹ is cyclopropyl, R² is not arylalkyl.

104. (New): A compound according to claim 100, wherein when R¹ is cyclopropyl, R² is not arylalkyl.

105. (New): A compound according to claim 101, wherein when R¹ is cyclopropyl, R² is not arylalkyl.

106. (New): A compound according to claim 102, wherein when R¹ is cyclopropyl, R² is not arylalkyl.

107. (New): A compound according to claim 1, wherein
R¹ is H,

alkyl having 1 to 5 carbon atoms, which is unsubstituted or substituted one or more times by halogen, hydroxy, or combinations thereof,

cycloalkyl having 3 to 6 carbon atoms, or

cycloalkylalkyl having 4 to 7 carbon atoms.

108. (New): A compound according to claim 100, wherein
R¹ is H,

alkyl having 1 to 5 carbon atoms, which is unsubstituted or substituted one or more times by halogen, hydroxy, or combinations thereof,

cycloalkyl having 3 to 6 carbon atoms, or

cycloalkylalkyl having 4 to 7 carbon atoms.

109. (New): A compound according to claim 101, wherein
R¹ is H,

alkyl having 1 to 5 carbon atoms, which is unsubstituted or substituted one or more times by halogen, hydroxy, or combinations thereof,

cycloalkyl having 3 to 6 carbon atoms, or

cycloalkylalkyl having 4 to 7 carbon atoms.

110. (New): A compound according to claim 102, wherein
R¹ is H,

alkyl having 1 to 5 carbon atoms, which is unsubstituted or substituted one or

more times by halogen, hydroxy, or combinations thereof,

cycloalkyl having 3 to 6 carbon atoms, or

cycloalkylalkyl having 4 to 7 carbon atoms.

111. (New): A compound according to claim 103, wherein
R¹ is H,

alkyl having 1 to 5 carbon atoms, which is unsubstituted or substituted one or more times by halogen, hydroxy, or combinations thereof,

cycloalkyl having 3 to 6 carbon atoms, or

cycloalkylalkyl having 4 to 7 carbon atoms.

112. (New): A compound according to claim 104, wherein
R¹ is H,

alkyl having 1 to 5 carbon atoms, which is unsubstituted or substituted one or more times by halogen, hydroxy, or combinations thereof,

cycloalkyl having 3 to 6 carbon atoms, or

cycloalkylalkyl having 4 to 7 carbon atoms.

113. (New): A compound according to claim 105, wherein
R¹ is H,

alkyl having 1 to 5 carbon atoms, which is unsubstituted or substituted one or more times by halogen, hydroxy, or combinations thereof,

cycloalkyl having 3 to 6 carbon atoms, or

cycloalkylalkyl having 4 to 7 carbon atoms.

114. (New): A compound according to claim 106, wherein
R¹ is H,

alkyl having 1 to 5 carbon atoms, which is unsubstituted or substituted one or more times by halogen, hydroxy, or combinations thereof,

cycloalkyl having 3 to 6 carbon atoms, or

cycloalkylalkyl having 4 to 7 carbon atoms.